

BASF Corporation

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May 21, 1996

Document Processing Center (TS-790)
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street, SW
Washington, DC 20460



ORIGINAL

Ladies and Gentlemen:

Subject: Notice in Accordance with Section 8(e) of TSCA - Aquatic toxicity data for Isodibenzanthrone (CAS No. 128-64-3).

BASF Corporation is submitting information regarding the aquatic toxicity of Isodibenzanthrone (CAS No. 128-64-3). Two recently received MSDS's from Aktiengesellschaft, Ludwigshafen, Germany, both report a 96 hr LC₍₅₀₎ of 0.55 mg/l in Zebra fish (Brachydanio rerio). The material safety data sheets are for Isobenzanthrone G Powder Calc. 100% and isobenzanthrone Powder Calc. 100%.

This information will be conveyed to customers via an updated Material Safety Data Sheets.

BASF Corporation has not received a copy of the reports for this study. When one is received, it will be forwarded to the Agency.

If you have any questions please call me at (313) 246-6207.

Very Truly Yours,

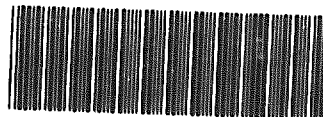
BASF Corporation

Edward J. Kerfoot, Ph.D.
Director, Toxicology & Product Regulations

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/Attachment



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Safety data sheet
according to 91/155/EEC

Page 1 of 4

BASF Safety data sheet
Date / revised: 16.04.1996
Product: ISODIBENZANTHRONE POWDER CALC.100%

CZ 00174 (D/E)
version 3

(Print date: 17.04.1996)

1. Substance/preparation and company name**ISODIBENZANTHRONE POWDER CALC.100%**Company:

BASF Aktiengesellschaft
Unternehmensbereich Zwischenprodukte
D-67056 Ludwigshafen
Tel.: 0621-60-0

Emergency information:

BASF works fire brigade Ludwigshafen
Tel.: 0621-60-43333

Fax: 0621-60-92664

2. Composition/information on ingredientsChemical nature:

Benzo(rst)phenanthro(10,1,2-cde)pentaphene-9,18-dione
CAS-No. 128-64-3 EINECS-No. 204-901-1

Hazardous ingredients

CAS-No. 82-05-3 benz(de)anthracen-7-one
Content: 15 % weight Hazard symbol: Xi
R-phrases: 43

3. Possible hazards**Critical hazards to man and the environment:****May cause sensitization by skin contact.****4. First aid measures****General advice:** Remove contaminated clothing.**If difficulties occur after dust has been inhaled:** fresh air, summon physician.**On skin contact:** Wash with soap and water.**On contact with eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.**On ingestion:** Immediately rinse mouth and then drink plenty of water, summon physician.**5. Fire fighting measures****Suitable extinguishing media:** water, dry extinguishing media, carbon dioxide (CO₂)**Special protective equipment:****Wear self-contained breathing apparatus and protective suit.****Further information:** Collect separately contaminated extinguishing water, do not allow to reach sewerage or effluent systems.

6. Accidental release measures

Personal precautions: The usual precautions for the handling of chemicals must be observed.

Environmental precautions: Discharge into the environment must be avoided.

Methods for cleaning up:
Sweep up and then dispose of.

7. Handling and storage

Handling

Protection against fire and explosion: Ensure thorough ventilation of stores and work areas.

Avoid dust formation.

Storage

Keep in a dry place.

8. Exposure controls and personal protection

Additional information on the lay-out of technical plant
(see 7)

Components with workplace control parameters

Personal protective equipment

Hand protection: protective gloves

Eye protection: goggles

General safety and hygiene measures:
Avoid contact with the skin, eyes and clothing

9. Physical and chemical properties

Form: powder

Colour: dark brown

Odour: odourless

Change in physical state

Melting point/melting range: > 300 °C

Flash point: > 400 °C

Ignition temperature: > 175 °C

Bulk density: 500 kg/m³

Solubility in water: (20 °C) sparingly soluble

pH value: 6-7

10. Stability and reactivity

Hazardous reactions:
dust explosion hazard

11. Toxicological information

Acute toxicity

LD50/oral/rat: > 10 000 mg/kg

Primary skin irritation/rabbit/BASF test: non-irritant
Primary mucous membrane irritation/rabbits' eyes/BASF test:
non-irritant

Acute inhalation hazard (rat; test results depending on toxicity and volatility): No mortality after 8 h exposure in a highly enriched and/or saturated atmosphere at ambient temperatures.

Sensitization

The product contains benz(de)anthracen-7-one, to which the following data apply:

Sensitizing effect on humans.

12. Ecological information

Elimination information

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Behaviour and environmental fate

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Ecotoxic effects

The product contains benz(de)anthracen-7-one, to which the following data apply:

Toxicity to fish; LC50/Brachydanio rerio/: 0.55 mg/l/96h

Further ecological information

AOX: not relevant

13. Disposal considerations

Must be disposed of by special means, e.g. suitable incineration, in accordance with local regulations.

Contaminated packaging:

Uncleaned empties should be disposed of in the same manner as the contents

Uncontaminated packs can be re-used

14. Transport information

Not classified as hazardous under transport regulations.

15. Regulatory information

Labelling according to EEC Directives

Xi - Irritant

R43 - May cause sensitization by skin contact.

S24 - Avoid contact with skin.

National legislation/regulations

16. Other information

A backslash in the left hand margin indicates an amendment from the previous version.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

Safety data sheet
according to 91/155/EEC

Page 1 of 4

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5. Fire fighting measures

Suitable extinguishing media: water, dry extinguishing media, carbon dioxide (CO2)

Special protective equipment:
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